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Studia Monocotyledonearum Japonicarum (II)

auctore

F. MAEKAWA

前川文夫： 日本產單子葉植物考察（其二）

3–4) **Eleorchis** F. MAEKAWA gen. nov. (*Orchidaceæ-Polychondreæ-Blettillinæ*)

Planta paludicola. Pseudobulbus parvus globosus viridis carnosus supra medium annulo singulare ornatus. Scapus unicus erectus gracilis monophyllus 1–(raro 2–) florus, cataphyllis 2, brevibus vaginatis hyalino-membranaceis basi bulbum hornotinum obtectis. Folium lineari-lanceolatum crassiusculum gramineum cum vaginâ ex parte pseudobulbi superiore emittente articulatum. Flos purpureus; bractea minima scariosa; sepala petalaque subæquantia oblanceolata erecta leviter concava columnâ conniventia neque connata omnia ad ovarii apicem inserta. Labellum obovato-oblongum vel oblanceolatum planum intus nudum vel lamellis tenuibus ornatum inferne ca. 1/3-1/4 columnâ connatum. Columna anguste cylindrica margine utrinque angulata fere vel non alata apice truncato-crenulata nunquam petaloideo-alata, rostello plano dilatato truncato producta. Anthera terminalis pendula conicoidea; pollinia 4 glanulosa; caudicula nulla. (Typus generis, *Arethusa japonica*).

From related genera *Arethusa* and *Bletilla*, this can be distinguished as follows:

Planta terestris. Pseudobulbus magnus in quoque anno innovationem laterali emittens. Caulis inferne oligo-vel multi-foliatus. Folia dilatata distincte plicata. Inflorescentia racemosa. Labellum ab

1 { columnâ perfecte liberum. Columna nunquam alata.

Bletilla REICHENBACH FIL.

Planta paludicola. Pseudobulbus parvus; hornotinus ex annotino oblique emittens. Caulis monophyllus vel cataphyllatus. Scapus 1-(raro 2-) florus. Labellum inferne columna connatum. ··· ······2
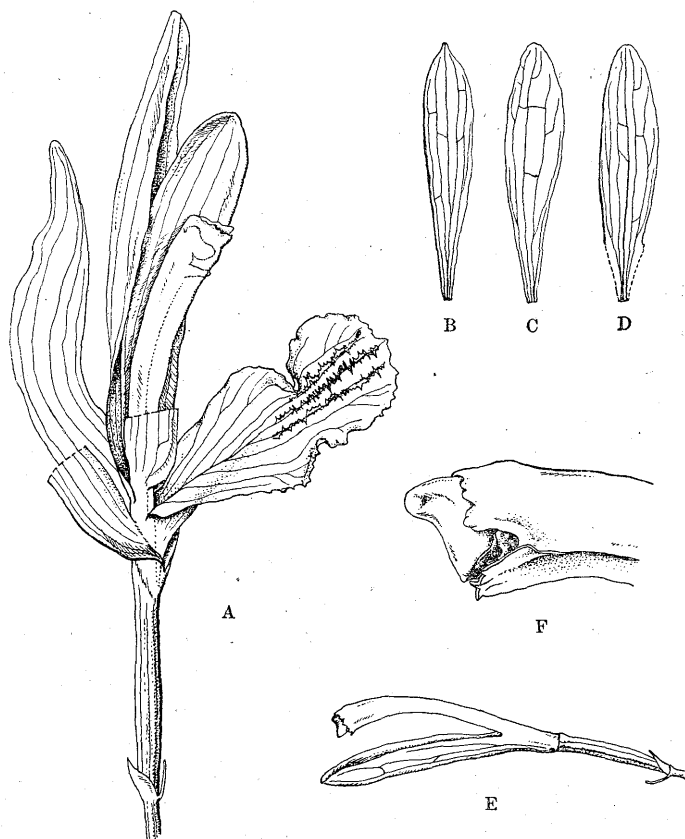
Fig. 4. A) Flower of *Arethusa bulbosa* (×2)
B-F) Flower-parts of *Eleorchis conformis*
B) dorsal sepal (×2); C) lateral petal ×2); D) labellum (×2); E) A flower, sepals and petals removed (×2); F) Upper part of collumn (×8)

2 { Scapus monophyllus. Sepala petalaque omnia ad apicem ovarii inserta, atque ab columnâ perfecte libera. Columna nec alata neque apice petaloideo-marginata. ······················ *Eleorchis* gen. nov.
Scapus tantum cataphyllis vaginatis obtectus. Petala columnâ affixa. Sepalum dorsale columnam insertum, lateralia ad ventre columnæ, i. e. in dorsi labelli saccato-connata. Columna eximie alata apice petaloideo-dilatata. ···················· *Arethusa* [GRONOV.] LINNAEUS

I) **Eleorchis japonica** (A. GRAY) F. MAEKAWA comb. nov.

Syn. *Arethusa japonica* A. GRAY in Mem. Amer. Acad. ser. 2, VI: 409 (1859) –MIQUEL in Ann. Mus. Bot. Lugd. Bat. II: 209 (1866) –FRANCHET et SAVATIER, Enum. Pl. Jap. II: 35 (1876)–MATSUMURA, Ind. Pl. Jap. II–1:235 (1905) –MIYOSHI et MAKINO, Pocket Atlas Alp. Pl. Jap. I, t. 11, f. 64 (1906)–TAKEDA in Bot. Mag. Tokyo, XXIV : 132 (1910) –SCHLECHTER in ENGLER, Bot. Jahrb. XLV. 406 (1911)–MAKINO in IINUMA's Somoku Dzusetsu ed. 3. 1233, t. XVIII–69 (1912)–MAKINO et NEMOTO, Fl. Jap. ed. 1: 1146 (1925), ed. 2: 1617 (1931).

Bletilla japonica SCHLECHTER in FEDDE, Repert. Sp. Nov. Regn. Veget. X: 255 (1911), Orchideen : 106 in nota (1914), FEDDE, Repert. Beihefte IV : 158 (1919)–MIYABE et KUDO in Journ. Facult. Agricult. Hokkaido Imp. Univ. XXVI–3 : 376 (1932).

Nom. Jap. *Sawa-Ran, Asahi-Ran.*

Hab. Yezo : Hakodate (fide A. GRAY) Kurile : Kunashiri (fide MIYABE et KUDO). Hondo-bor.-centralis: prov. Iwashiro, Numayama-tôge (B. HAYATA, Jul. 1903), Osenuma (B. HAYATA, Jul. 1903?), Akai-yachi (S. HATTORI, Jul. 11, 1926)–prov. Kôdzuke, Monte Tanigawa-dake (Y. SATAKE, Jul. 1930)–prov. Shinano, Monte Togakushi(J. MATSUMURA, Jul. 11, 1884)–prov. Ecchû, Monte Tateyama (K. HISAUCHI, Jul. 26, 1929).

II) **Eleorchis conformis** F. MAEKAWA sp. nov.

Bulbus annotinus ellipsoideus vel depresso-globosus ca. 5–8 mm. longus, hornotinus parvus angustior. Cataphylla 2, interioribus majoribus 15–40mm. longis hyalino-membranaceis apice truncatis. Folium unicum erectum late

lineare vel lineari-oblanceolatum scapo brevius 6–13 cm. longum 2–4.5 mm. latum apice abrupte acutum basi vaginam brevem articulatum. Scapus 10–15 cm. longus gracilis ca. medio squamâ brevissimâ 0.5mm longâ obtuso-truncatâ obtectus, apice uni-vel rarissime biflorus. Flos erectus purpureus, bracteâ late deltoideo-ovatâ ca. 1 mm. longâ obsitus, cum ovario 18–25 mm. longus. Sepala, petala labellumque conniventia erecta æquilonga 13–17 mm. longa 2.5–3.5 mm. lata oblanceolata infra medium cuneata; sepala apice cuspidata 5-nervia; petala lateralia latiora obtusa 5-nervia; labellum oblongo - oblanceolatum planissimum obtusum integrum 5–7-nervium inferne ca. 5mm. ad columnam saccato-connatum. Columna 12–15 mm. longa ca. 2mm. lata versus apicem sensim dilatata et leviter arcuata margine angulata sed nunquam alata apice truncato-crenulata; rostellum planum truncatum crenulatum 1.5mm. longum. Antheræ obtusæ 1.5 mm. longæ. Ovarium 5–8 mm. longum erectum glaberrimum.

Fig. 5. *Eleorchis conformis* cultivated in Bot. Garden, Koishikawa.

Nom. Jap. *Kirigamine-Asahiran* (nom. nov.)

Hab. Hondo: prov. Shinano, Kirigamine, ad paludum Yashimagaike (SH. MOMOSE, Julio 29, 1931–Typus in Herb. Imp. Univ. Tokyo.), ibid. (K. SUZUKI, cult. in Koishikawa Bot. Gard.)

Flores declinati. Labellum obovato-ellipticum apice truncato-crenulatum intus cristato-lamellatum. Squama in parte scapi medianâ ovato-subulata acutissima. ....*E. japonica*

Flores erecti. Labellum petalis lateralibus conforme oblanceolatum apice obtusum integrum intus nudum. Squama brevissima truncata. .... *E. conformis*

5-6) Group of *Platanthera bifolia*

This group which contains the type species of the genus, *Platanthera bifolia*, is very characteristic having two large basal leaves decurrent to scape, large flowers, cordate dorsal sepal, broad and thick lip, deltoid or ovate rostellum, truncate connective, and prolonged protuberans of collumn to which retinaculum adhered. Now we can find three representatives in Japan, i. e. *Platanthera chloranthella* NAKAI in Korea, *Pl. metabifolia* F. MAEKAWA in northern part of Japan and *Pl. Okuboi* MAKINO isolated far apart in the Isl. Hachijô. The former two have been erroneously confused together and misled with *Platanthera bifolia*, later *Pl. chlorantha*, but are quite different and clearly discriminable as in the following key :

1. Sepala lateralia ovato-deltoidea. Connectivum dilatatum apice plus minus truncatum. Calcar crassum.............................2
   Sepala lateralia oblongo-lanceolata. Connectivum angustum vel nullum. Calcar gracile. 3
2. Flores majores 2 cm. lati. Sepalum dorsale basi profunde cordatum. Connectivum ca. 3.5mm. latum. Rostellum deltoideum apice carnosum. .... *Pl. chloranthella* NAKAI
   Flores minores. Sepalum dorsale fere cordatum. Connectivum angustius. Rostellum ovatum apice obtusissimum non carnosum. .... *Pl. chlorantha* CUSTOR
3. Columna distincta. Antheræ loculi inferne divergentes. Connectivum angustum. Petala erecta carnosula.····*Pl. metabifolia* F. MAEKAWA
   Columna brevissimum. Antheræ loculi paralleli inter se adnati. Connectivum fere nullum. Petala falcata herbacea.................... .... *Pl. bifolia* L. C. RICHARD
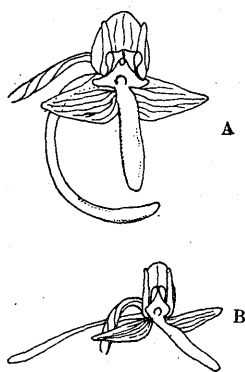
Fig. 6. Flowers of *Platanthera chloranthella* (A) and *Pl. metabifolia* (B) both in natural size.
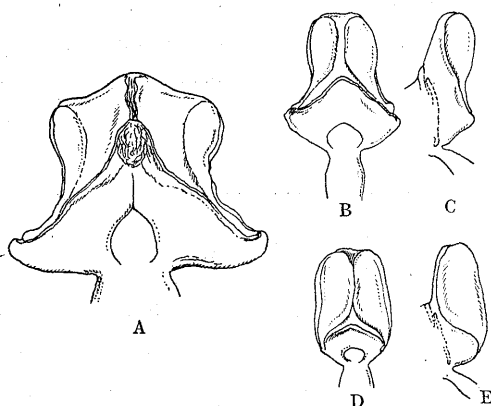
Fig. 7. Front and lateral view of collumn, all drawn from herbarium materials (×ca. 5)
A) *Pl. chloranthella* B–C) *Pl. metabifolia*
D–E) *Pl. bifolia*

I) **Platanthera chloranthella** NAKAI, Report Veget. Experiment Forest Kôryô, Chôsen : 28 (1932).

Syn. *Platanthera chlorantha* (non CUSTOR), KOMAROV in Acta Horti Petropolit. XX : 515 (1901)–FINET in Rev. Généràl. de Botanique XIII : 511 (1901) (quoad pl. ex Côte de Manchourie) [ut *chloranta*]–ROLFE in FORBES et HEMSLEY in Journ. Linn. Soc. Bot. XXXVI : 55 (1903) (quoad pl. ex Mukden et Corea)–NAKAI in Journ. Coll. Sci. Tokyo Imp. Univ. XXXI : 219 (1911).

Platanthera chlorantha var. *orientalis* SCHLECHTER in FEDDE, Repert. Beihefte IV : 609 in nota sub *Pl. chlorantha* (1919) (quoad pl. ex Korea et Schonking)–MORI, Enum. Corean Pl. : 105 (1922) (excl. nom. jap.).

Tuber globosus 1.3cm. latus. Radices teretes vel fusiformes hirsutæ. Scapus cum racemo 30–45cm. altus basi oligo-vaginato-cataphyllatus angulatus. Folia basilaria magna 2 raro 3, 13–17 cm. longa 3.5–7 cm. lata oblonga vel elliptica acuta vel obtusa basi ad petiolum 4–10cm. longum acuminato-angustata atque caulem decurrentia. Folia minora 2–4, 2–5 cm. longa subulato-lanceolata superiora ad bracteam deformantia.

Racemus subdensus 12–20 florus. Bracteæ ovario subæquantes subulato-lanceolatæ 0.8–1.5 cm. longæ. Flores majores 2–2.2 cm. lati albi, albescentes

vel dilutissime ochracei. Sepalum dorsale ovato-ellipticum obtusum basi profunde cordatum 8.5mm. longum 6.5–7mm. latum 5–7 nervis; lateralia patentia 12 mm. longa 7–8 mm. lata ovato-deltoidea apice acutissima basi oblique dilatata 7-nervia. Petala erecta sepalo dorsale fere breviora linearia 8.5–9 mm. longa apice obtusa basi columnam late adnata. Labellum late lineare 14–17 mm. longum 1.5–2.2mm. latum obtusum carnosum; calcar tubulosum crassum 25–30 mm. longum 1.2–1.7 mm. latum curvato-pendens supra medium parum incrassatum carnosulum.

Columna ca. 3mm. longa apice ventrale acute producta, antheræ locullis valde apertis basi divergentibus, connectivo truncato vel obtuso cuspidato medio intus costato crasso ca. 3–3.5 mm. lato ; pollinia 4.5 mm. longa ; caudicula 2.5mm. longa; retinaculum ovato-rotundatum 0.8 mm. longum; rostellum triangulatum cuspidatum vel acutum apice crassitie appendiculatum vel subnullum.

Nom. Jap. *Kôrai-Chidori* (nom. nov.)

Hab. Korea : prov. Kanhoku, prope Seisin (T. NAKAI, Jun. 19, 1909-Typus in Herb. Imp. Univ. Tokyo.)-prov. Keiki, Kôryô (T. MORI n. 306, Jul. 7, 1912)-prov. Keinan, Mt. Chiisan (T. NAKAI, Jun. 30, 1913), ibid. Hannyahô ca. 1700 m. alt. (T. NAKAI, n. 414, Jul. 1, 1913)-prov. Zennan, Isl. Nankaitô (T. NAKAI, n. 10881, Maio 17, 1928), Isl. Higashijima, Ins. Kyobuntô (Port. Hamilton) (T. NAKAI, Maio 26, 1928)-sine loco speciali (T. ISHIDOYA).

Manchuria : prov. Kirin, (KOMAROV, n. 442, Jul. 17, 1896)-Pa-tao-kou (K. AKAGI, Jun.-Jul. 1933)-prov. Feng-t'ien, Fêng-huang-shan (M. NISHIMURA, Maio 15, 1913).

II) **Platanthera metabifolia** F. MAEKAWA sp. nov.

Syn. *Platanthera chlorantha* (non CUSTOR) FR. SCHMIDT in Mémoires de l'Acad. Imp. des Sci. de St. Petersbourg VII-ser. XII-2 : 181 (1868)–TAKEDA in Bot. Mag. Tokyo XXV : 19 (1911), in Journ. Linn. Soc. XLII : 488 (1914)–MIYABE et MIYAKE, Fl. Saghal. : 451 (1915)–KUDO in Journ. Coll. Agr. Hokk. Imp. Univ. Sapporo XII–1 : 29 (1923), Report Veget. North. Saghal. : 94 (1924)–MAKINO et NEMOTO, Fl. Jap. ed. 2 : 1669 (1931)–MIYABE et KUDO in Journ. Facult. Agr. Hokk. Imp. Univ. Sapporo XXVI–3 : 365 (1932)–OHWI

in Acta Phytotax. Geobot. II : 264 (1933).

Platanthera chlorantha var. *orientalis* SCHLECHTER in FEDDE, Repert. Beihefte IV : 109 (1919) (pro parte, quoad pl. ex Yezo).

Platanthera bifolia (non L. C. RICHARD) FINET in Bull. Soc. Bot. France XLVII : 277 (1900) (pro parte fide TAKEDA)–KOIDZUMI in Journ. Coll. Sci. Imp. Uuiv. Tokyo XXII–13 : 41 (1910)–SCHLECHTER in FEDDE, Repert. Beihefte IV : 108 (1919) (pro parte).

Planta 22–50 cm. alta. Radices tuberosæ binæ oblongæ ovato-oblongæ acuminatæ siccatione 1.5–2.3 cm. longæ 9–13 mm. latæ, filiformes nonnulas emittentes. Caulis erectus parum angulatus 2.5–5 mm. latus basi bivaginatus et bifoliatus. Folia oblonga vel elliptica apice obtusa basi attenuato-decurrentia, laminâ 8–14 cm. longâ 2.2–4.6 cm. latâ, petiolo 2–7 cm. longo, foliis minoribus subulato-lanceolatis 2–6 cm. longis. Racemus densiusculus 8–16 cm. longus 20–25 florus. Bracteæ lanceolatæ ovario fere superantes. Flores mediocres ca. 15mm. lati, dilutissime ochracei ; sepalum dorsale 5.5–6mm. longum ovato-ellipticum apice obtusum basi subhastato-cordatum, lateralibus 8 mm. longis 3 mm. latis oblongo-lanceolatis 5–nervis ; petala sepalo dorsale paulo breviora carnosula lineari-lanceolata recta non falcata basi posteriorem obtuso producta. Labellum 1 cm. longum 1.5–1.8 mm. latum carnosum late lineare apice obtusum ; calcar 20–27 mm. longum lineare sæpe versus apicem paulo dilatatum obtusum.

Columna brevis inferne obtusangulato porrecta, loculis antheræ fere adnatis basi divergentibus 3.2 mm. longis, rostello obtuso-deltoideo. Ovarium 7–17 mm. longum, fusiforme.

Nom. Jap. *Futaba-Tsuresagi* (G. KOIDZUMI 1910)
Yezo-Chidori (H. TAKEDA 1911)

Hab. Saghalin-bor.: Palkhata (Y. OKADA, Aug. 26, 1923).

Saghalin-austr.: Suzuya (G. NAKAHARA, Aug. 1906–Typus in Herb. Imp. Univ. Tokyo.), Toyohara (S. KOMATSU, Aug. 1913), ibid. (H. HARA n.c–1174, Aug. 30, 1931), Sakaehama (S. KOMATSU, Aug. 2, 1913), loco non indicato (N. OKADA, Jul. 1917).

Yeso : prov. Kushiro, prope lacum Akan ca. 800 m alt. (H. HARA, Aug. 15, 1931).

Kurile-austr.: Isl. Shikotan, Shakotan (H. TAKEDA, Jul. 16, 1909–Herb. Mus. Sci. Tokyo, n. 29806).

Sometimes we met with a forest form having laxer raceme and more slender spur than the typical form. According to the description, *Platanthera densa* (non LINDL.) FREYN described upon the specimen collected in Dahuria, is somewhat like this, but differs by its reniform dorsal sepal and broader labellum.

7) **Goodyera pendula** MAXIMOWICZ var. **brachyphylla** F. MAEKAWA var. nov.

Planta pendula 11–14 cm. alta. Folia erecto-patentia, petiolo 1.5–2 cm. longo basi vaginato, ovato-elliptica vel ovata 12–15 mm. longa 6.5–8 mm. lata basi truncata vel acuminato-decurrentia margine integra raro paulum undulata 3– vel 5–pli-nervia. Spica recurvato-ascendens 3.5–5 cm. longa densiflora. Flores 5 mm. longi, ovario cum pedicello 5–5. 5mm. longo, extus crispulo-pubescentes. Sepala lateralia oblique ovato-lanceolata margine inferne plicato-incurvata.

Nom. Jap. *Hiroha-no-Tsurishusuran* (nom. nov.)

Hab. Hondo-bor.-centr.: prov. Uzen, Mt. Iide (Y. YUKI, Aug. 7, 1933, n. 2973–Typus in Herb. Imp. Univ. Tokyo.)–prov. Suruga, Mt. Fuji (K. HISAUCHI Aug. 15, 1931).

From typical *Goodyera pendula*, this variety differs in having broader but shorter ovate leaves, and lateral sepals more strongly involute in the lower margin.

8) **Diplolabellum** F. MAEKAWA gen. nov. (*Orchidaceæ-Kerosphereæ-Pleuranthæ-Corallorrhizinæ*).

Planta terrestris. Pseudobulbus ovato-globosus apice bi- vel unifoliatus atque scapum laterale emittens. Folia lineari-lanceolata graminea plicata basi ad petiolum attenuata. Scapus erectus inferne squamis vaginatis dissitus apice racemosus. Flores; bracteæ ovario subæquilongæ lanceolatæ membranaceæ; sepala petalaque subconformia oblonga conniventia; labellum trilobatum, lobis lateralibus minoribus, medio majore refracto basi intus

lamellâ ob-V-forme carnosâ antice prostrato, non unguiculatum ecalcaratum. Columna labello brevior semiteres infra medium ventrale alato-dilatata, clinandrio truncato. Anthera globoso-cupularis haud 2-locularis. Pollinia 4, cerosa sessilia compresso-rotundata ; caudicula retinaclumque nulla. Stigma infra columnam ventrale excavatum, rostello brevissimo.
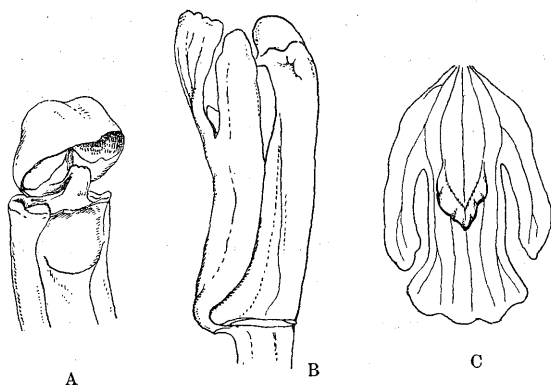
Fig. 8. Flower parts of *Diplolabellum coreanum*
A) Upper part of column (×ca. 20)
B) Labellum and column, lateral view (×10)
C) Labellum (×ca. 8)

This resembles externally to *Oreorchis* LINDLEY, but the latter has bilamellate lip and globose pollinia supported by distinct caudicula. North American *Aplectrum* NUTTALL is also an akin of this genus, in having no caudicula, but can be clearly discriminated from it by its trilamellated lip.

Diplolabellum coreanum (FINET) F. MAEKAWA comb. nov.

Syn. *Oreorchis coreana* FINET in Bull. Soc. Bot. France LV : 337, t. 10 f. 40–45 (1908)–FINET in MOROT, Journ. de Bot. XXI : 110 (1908)–NAKAI in Journ. Coll. Sci. Imp. Univ. Tokyo XXXI : 225 (1911)–SCHLECHTER in FEDDE, Repert. Beihefte IV : 223 (1919)–MORI, Enum. Corean Pl. : 105 (1922).

Nom. Jap. *Kokeiran-modoki* (nom. nov.)

Hab. Korea : Quelpært : in silvis Hallaisan (FAURIE n. 2055, Julio 1907–Cotypus in Herb. Imp. Univ. Tokyo.), ibid. (TAQUET, n. 1648, Aug. 13, 1908) ibid. (T. NAKAI n. 4839, Oct. 31, 1917 et n. 4875, Nov. 1, 1917).

3–4) **Eleorchis** F. MAEKAWA **(あさひらん屬)**

あさひらんハ最初 GRAY 氏ガ北米ノ *Arethusa* ト同屬トシテ發表シ、永ラクコレニ從ツテ居タガ 1911 年ニナツテ SCHLECHTER 氏ガ *Bletilla* (しらん屬)ニ移シタ。シカシ次ニ示ス樣ニ兩屬カラ違フノデ獨立ノ一屬ニシタ。即チ :—

1 { 地上ニ生ジ、僞塊莖ハ大キク、年々舊塊莖ノ横ニ新塊莖ヲ出ス。葉ハ二枚乃至多數ニ出デ幅廣ク顯著ニ縱襞ガアル。花序ハ總狀、時ニ分枝ス。蕊柱ハ唇瓣ト全ク分離シ、縁邊ハ翼狀ヲナサヌ……*Bletilla*（しらん屬）
濕原ニ生ジ、僞塊莖ハ小サク、新塊莖ハ古キモノノ斜上方ニ出ル。葉ハ1枚、或ハ全部鞘狀葉トナル。花ハ1個頂生、稀レニ2個。唇瓣ノ下部ハ蕊柱ニ癒合ス。…………………………2

2 { 葉ハ1個、蕚片、花瓣何レモ子房ノ頂部ニ着生シ蕊柱ト癒合スル等ノコトヲシナイ。蕊柱ハ無翼、且ツ頂部ニ附屬物ナシ。……………………………………*Eleorchis*（あさひらん屬）
葉ハスベテ鞘狀葉ニ變形ス。花瓣ハ蕊柱上ニ着生シ、背蕚片モ亦ソノ下方デ蕊柱ト癒着スル。側蕚片ハ斜メニ蕊柱ト癒合シソノ下縁ハ延ビテ唇瓣ノ背後ニ至リコヽデ兩蕚片ガ合シテ嚢ヲナシコノ内ニアツテ唇瓣ガ獨立ニ蕊柱腹面ト癒合スル從ツテ子房ノ頂部ハ著シク斜頭ヲ呈スル。蕊柱ハ兩縁廣翼ヲナシ上部ハ擴張シテ廣キ花瓣様ノ附屬物トナリ葯ハソノ蔭ニカクレテ見エナイ。……………………………*Arethusa*

コノ屬ニハ2種アツテイヅレモ日本特產デアル。一ツハあさひらん（さはらん）デ南千島ノ國後島以南、北海道本島、本州北部、及ビ中部ノ高所ノ濕原ニアリ日光、尾瀨、上州谷川岳、戸隱山及ビ立山等ニ分布シテ居ル。學名ヲ **Eleorchis japonica** (A. GRAY) F. MAEKAWA ト呼ブ。今1種ハ信州霧ケ峰ニ產スルモノデ、あさひらんニ似テ花ハ直立シ、唇瓣ハ倒披針形デ蕚片及ビ花瓣ト殆ンド同形ヲナシ、マルデ唇瓣ノ俤ガナイ。又花莖ノ中部ニアル鱗形葉ハ短カク截頭デアル。コレニ反シテあさひらんハ花側向シ、唇瓣ハ他ノ蕚片花瓣ニ比シテ廣ク形異ナリ、內面ニハ縱畝ヲ有シ、花莖ノ鱗形葉ハ鍼形デ鋭尖形ヲ呈スルノデ明ラカナ別種デアル。松崎直枝氏ノ御好意デ小石川植物園栽培ノ生品（鈴木吉五郎氏採集）ヲ見ルコトガ出來、又百瀨靜男氏ガ霧ケ峯デ採集シタ標本ヲ得タノデコヽニ **Eleorchis conformis** F. MAEKAWA（**きりがみねあさひらん**）トシテ發表スル。

5-6) **ふたばつれさぎ**ノ一群：

Platanthera ノ屬ノ基本トナツタ種ハ歐洲產ノ *Pl. bifolia* デアルガ、花莖ノ基部ニホヾ對生スル大形ノ葉ヲ有シ、花モ大キク、背蕚片ハ基脚心形ヲナシ、小嘴體ハ卵形或ハ三角形ヲ呈シ、葯隔ハ截頭、蕊柱ノ前縁突出部ハ顯著ニ三角狀ヲナシテ居ル等デ他ノ同屬ノモノカラ離レタ位置ヲ占メテ居ル。我ガ日本產デコノ系統ニ入ルベキモノニ所謂ふたばつれさぎ（えぞちどり）ト稱スルモノ

ト八丈島ノ *Platanthera Okuboi* MAKINO（八丈つれさぎ）トガアル。後者ハ明ラカナ種デ間違ハナイガ、前者ハソノ屬藉ニツイテ色々ノ説ガアツテ、小泉源一博士ハ 1910 年ニ樺太産ノモノヲ *Platanthera bifolia* L. C. RICHARD ト鑑定シふたばつれさぎノ名ヲ與ヘラレタノニ反シ、1 年後レテ武田久吉博士ハ色丹ノ植物ヲ基トシテコレヲ *Platanthera chlorantha* CUSTOR えぞちどりト決定サレタ。一方朝鮮産モ亦同年ニ中井先生ニ依ツテ *Pl. chlorantha* ナリトサレタノデアル。後 1919 年ニ至ツテ SCHLECHTER 氏ハ北海道・樺太・朝鮮ヲ始メ廣ク東亞ニ產スル本群ノモノヲ一括シテ *Pl. chlorantha* ト斷ジ、歐洲產ヨリモ花大ニシテ背萼片ノ深心脚ナル事等ヲ以テ東亞產ヲ分カチ var. *orientalis* SCHLECHTER ノ名ヲ以テ統ベタガ、コヽニ東亞產ハ歐洲產トハ同一種デハナイトノ見解ガ始メテ出タノデアル。シカシナガラ今各地ヨリ集ツタ標品ニ就イテ見ルニ、朝鮮產ハ北海方面ノ採品ニ比シテ花大ニ、側萼片ハ卵狀三角形ヲ呈シ、距ハ太イノ差ガアルガ、最モ顯著ナ區別點ハ葯極メテ大キクソノ葯隔ハ幅廣クシテ葯室ハ全ク隔離シ、且ツ蕊柱前縁部ハ著シク三角狀ニ突出セル點デアツテ、コレハコノ群中ノ *Pl. chlorantha* 系ニ屬スルノデアル。シカシ歐州ノ *P. chlorantha* トハ SCHLECHTER 氏ノ先キニ指摘シタ異點（花ノヨリ大形ナルコト、背萼片ノ深心脚等）ノ外ニ葯隔ハ更ニ廣ク幅 3.5 mm ニモ達シ、小嘴體ハ三角狀卵形ヲナシ先端ハ肥厚シ肉質ヲ呈スルノ差異ガアツテ、明ラカニ別種デアル。コノ事ハ既ニ中井先生ガ注意サレタ所デ、光陵試驗林ノ一斑中ニ **Platanthera chloranthella** NAKAI ノ名ヲ以テ呼バレテ居ル。コレガ本種ノ正名トナルガ、和名ヲ**かうらいちどり**（新稱）ト呼ビ滿洲、朝鮮ニ分布シ、殊ニ鮮南群島中ノ島嶼ニモ產スルノハ面白イ。次ニ北海道樺太ノモノハ如何トイフニ、朝鮮ノモノト異ナリ、花モ小サク、側萼片ハ長楕圓狀披針形デアリ、更ニ葯隔ハ狹ク辛ウジテ兩葯室ヲ距ツル程度デアツテ、蕊柱前縁部ハ鈍形ヲナシ突出ハ著シクナイ。コレハ明ラカニ *Pl. bifolia* ニ近イモノデアルコトヲ示スガ、ソノ *Pl. bifolia* トモ、短イナガラモ蕊柱ノ存在スルコト、葯室ハ平行セズ下部ニ於テ隔離セルコト、花瓣ハ多少肉質デ眞直ナルコト等ノ差異ガアツテ歐洲產トハ別種ト考ヘルカラ、**Platanthera metabifolia** F. MAEKAWA ノ名ヲ與ヘテ區別シタ。和名ハ從前ノ通リデヨイ。樺太・北海道本島・南千島ニ分布シテ居ル。コヽニ疑問トナルノハ樺太ト朝鮮トヲ繼グ中間地帶卽チ**ウスリ**沿海州地方ニ於テコノ群ノ植物ニハ如何ナル種ガアルカトイフ事デアル。Dahuria ノ採品ヲ基トスル *Platanthera densa* (non LINDL.) FREYN ハ記載ニ依レバ *Pl. bifolia* 系デアルガ、背萼片ハ腎形ヲナシ唇瓣廣濶ナル點デ *Pl. metabifolia* F. MAEKAWA トハ

區別シウル。而シテ REGEL, MAXIMOWICZ 等ノ諸氏ノコノ方面ノ Flora ニアツテハ或ハ *Pl. bifolia* ヲ載セ或ハ *Pl. chlorantha* ヲ擧ゲ中ニハ兩種トモニ產スル旨ヲ記スモノモアツテ一定セズ、且ツ單ナル名稱ノ列記カラハ何等得ル所ガナク、コレラハ同地方ノ標本ヲ見ナイ限リ明言出來ナイノデ、コノ種ノ文獻ハ Syn. 中カラ除イテ置イタ。

7) **ひろはのつりしゅすらん** 本州中部以北ニ產スルつりしゅすらんノ葉ハ卵形或ハ卵狀廣楕圓形ヲ呈シ、基脚ハ概ネ截形ヲナシテ四國九州ニ見ル本種ノ基本型ノ如キ長楕圓狀披針形ヲナスニ比シテ短濶デアリ、緣邊皺曲ノ程度ハ遙カニ輕微デアル。シカシ花部ニハ大キイ區別ヲ見出サヌカラ一變種トシテ **Goodyera pendula** var. **brachyphylla** F. MAEKAWA **ひろはのつりしゅすらん**トスル。結城嘉美氏コレヲ羽前飯豐山ニ採リ、久內淸孝氏ニハ富士ノ採品ガアル。コノ植物ノ外觀ニツイテハ前記結城氏ノ山形縣植物誌ノ口繪ヲ參照サレタイ。

8) **Diplolabellum** F. MAEKAWA **こけいらんもどき**屬(新屬) 朝鮮濟州島デ FAURIE 師ガ採集シタ標本 no. 2055 デ FINET 氏ガ 1908 年ニ *Oreorchis coreana* FINET トシテ發表シタモノデ、外觀ハマコトニ *Oreorchis* ニ似テ居ル。FINET 氏ハ唇瓣ニ普通 *Oreorchis* (こけいらん屬) ニ見ラレル二縱襞ノ代リニ舌狀ノ肉質附飾ガ一個アル點ヲ特異ノ標徵トシテ居ル。但シ標本關係ニヨルモノカ花粉塊ニツイテハ何等記シテ居ナイ。東大植物學教室ニハ幸ニシテ FAURIE ノ同一番號ノ標品ガアツテ辛ウジテ葯ガ殘ツテ居タノト、別ニ TAQUET 氏ガ同ジク同島ニ採ツタ開花ニ間近イ蕾ノアル標本ガ存在シ、コレニ依ツテ扁平ナ花粉塊ガ四個アリ、シカモ花粉塊柄ヲ全ク有シナイ點ヲ見ルコトヲ得タ。一方 *Oreorchis* ニアツテハ明瞭ナ比較的長イ花粉塊柄ノ先端ニ小球狀ノ花粉塊四個ガ附著シテ居ルモノデ、唇瓣ノ形狀ト合セテ考ヘル時ハ濟州島ノ *Oreorchis coreana* ハ到底 *Oreorchis* デアリ得ナイノデコレヲ別屬トシタモノデアル。北米產ニ *Aplectrum* ナル屬アツテ近似的ノモノデアルガ、唇瓣ハ三縱襞ヲ有スル點デ別屬デアルカラ、唇瓣ガ二重トノ意味デ **Diplolabellum** ナル新屬トシ、和名ヲ **こけいらんもどき** ト新稱シ、**Diplolabellum coreanum** F. MAEKAWA ノ新組合トシタ。